

KSC LOD NO. 7B
Dated: December 15, 1972
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(Replaces LOD NO. 7A dated
February 16, 1971)

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KSC LAUNCH OPERATIONS DIRECTIVE NO. 7B

To: Distribution

From: H. J. Kapryan
Director of Launch Operations

Subject: TEST BRIEFINGS AND DEBRIEFINGS

1.1 PURPOSE

The purpose of this directive is to establish the instructions necessary for the planning and accomplishment of Test Briefings and Debriefings within the Directorate of Launch Operations.

2.1 AUTHORITY

2.1.1 The authority of this directive is established by:

a. AAPD #26 "Intercenter Responsibilities for Support and Preparation of KSC Test and Checkout Plans and Procedures."

b. KPD 8635.1 "Preparation of Test and Checkout Plans, Procedures, Test Requirements and Specifications and Criteria."

2.1.2 The AAPD No. 26 describes the general framework within which KSC is responsible for the establishment of the Test and Checkout Plan for the integration of all test activities at the launch site and the detailed Test and Checkout Procedures (TCP's) to be utilized in the performance of each specific test or operation. This LOD supports AAPD No. 26 and KPD 8635.1 in the area of test briefings and debriefings.

3.1 SCOPE

The provisions of this directive are applicable to all organizational elements within the Directorate of Launch Operations that are responsible for the planning and accomplishment of Test Briefings and Debriefings.

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4.1 RESPONSIBILITIES

The Director, Launch Vehicle Operations, the Director, Spacecraft Operations, and the Test Operations Manager are responsible for insuring compliance with the provisions of this directive within their respective organizations.

5.1 INSTRUCTIONS

5.1.1 GENERAL

This directive establishes the management system for the planning and accomplish of Test Briefings and Debriefings.

a. Launch Vehicle and Spacecraft Test Briefings and Debriefings will be accomplished independently as specified by the Director, Launch Vehicle Operations and the Director, Spacecraft Operations. For space vehicle tests, the Test Briefing and Debriefing will be conducted by the Test Supervisor with appropriate representation from the Directorates of Launch Vehicle Operations and Spacecraft Operations.

b. Test Briefings and Debriefings will be conducted for the following tests and operations:

- (1) Flight Readiness Test (FRT).
- (2) Countdown Demonstration Test (CDDT).
- (3) Launch Countdown.
- (4) Space Vehicle Overall Tests and Simulated Flights in VAB or on Pad.
- (5) Launch Vehicle or Spacecraft Propellant Loading on Pad.
- (6) Pyrotechnic Installations in VAB or on Pad.

c. For all other tests and operations not previously listed, Test Briefings and Debriefings shall be conducted as specified by the Director, Launch Vehicle Operations and the Director, Spacecraft Operations.

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6.1 TEST BRIEFING

6.1.1 A briefing shall be conducted approximately two working days prior to the initiation of a test or operation to discuss the following details:

a. Constraint List - A list of any limiting factors relative to the performance of a test or operation that would result in failure to satisfy test requirements or the invalidation of a portion thereof. This constraint list would be developed from an open item review. The open item review is a review of all open work against the hardware or the interfacing systems to be tested. An evaluation is made at this review relative to the configuration of the hardware (flight and GSE) and the compatibility of the hardware TCP's (Test and Checkout Procedures) and flight crew procedures as applicable.

All constraints identified as the result of this evaluation are officially documented at this review and must be satisfied either by work completion, acceptable workarounds, or waivers prior to the initiation of the test or operation.

b. Procedure Development and Status - From first draft through present release document including revisions, reissues and the respective release dates.

c. Detailed Test Description

- (1) Overall Test Objectives.
- (2) Sequence of Test Activities.
- (3) Overall Test Duration and Milestone Time Events.
- (4) Hazardous Operations and Emergency Procedures.

d. Status of Support Requirements.

e. Identification of Responsible Test Management Personnel.

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6.1.2 SPECIFIC REQUIREMENTS

a. A statement of Test Readiness submitted in writing to the Test Supervisor from Launch Vehicle and Spacecraft Operations with the appropriate stage contractor signatures stating the respective stage is ready to support the upcoming test and listing exceptions if any exist.

b. A signed copy of the constraints list that resulted from the respective stage contractor open item review.

c. Copies of the test bar charts available for distribution at the Test Briefing.

d. A review of support required to accomplish the test or operation.

7.1 TEST DEBRIEFING

7.1.1 A Debriefing shall be conducted as soon as practicable after completion of a test or operation to discuss the following details:

a. Overall Test Completion - This includes preliminary verification of completion of planned test objectives.

b. Status of Retest Requirements - Includes constraints relative to subsequent test and operations.

c. A statement of Test Acceptance submitted to the Test Supervisor from Launch Vehicle and Spacecraft Operations which includes a description of all open problems resulting from the test.

End of Directive.